

# Converting Colors

$Yxy(45.5744, 0.3242, 0.3436)$

Have a look what the booklet for  
Yxy(45.5744, 0.3242, 0.3436)  
contains.

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# Color

**Yxy(45.5744, 0.3242, 0.3436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7B4A9
RGB	183, 180, 169
RGB Percent	72%, 71%, 66%
CMY	0.2826, 0.2940, 0.3373
CMYK	0.00, 0.02, 0.08, 0.28
HSL	47°, 9%, 69%
HSV	47°, 8%, 72%
XYZ	43.0012, 45.5744, 44.0623
YIQ	179.6430, 5.3190, -2.7850

# Conversions

## Conversions Part 2

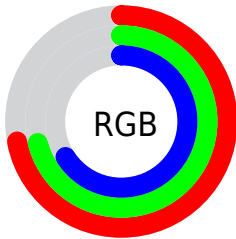
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">173, 183, 169</a>
Decimal	<a href="#">12039337</a>
CIELab	<a href="#">73.27, -0.94, 5.98</a>
CIELCh	<a href="#">73, 6.051, 98.914</a>
Yxy	<a href="#">45.5744, 0.3242, 0.3436</a>
Android (android.graphics.Color)	<a href="#">4290229417</a> ( <a href="#">0xFFB7B4A9</a> )
YUV	<a href="#">179.6430, -5.2470, 2.9441</a>
Hunter-Lab	<a href="#">67.5088, -4.4409, 8.5582</a>

# Details

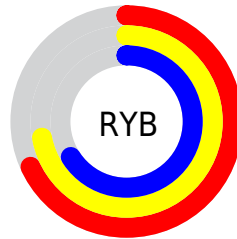
The Yxy color **45.5744, 0.3242, 0.3436** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.3256, 0.3012, 0.3140**, and the grayscale version is **45.4642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7234, 0.3223, 0.3413**, and **21.2089, 0.3275, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **43.4085, 0.3403, 0.3635**, and if you desaturate by 10%, it is **47.8833, 0.3093, 0.3246**.

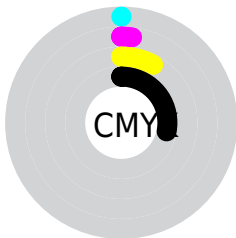
# Distribution



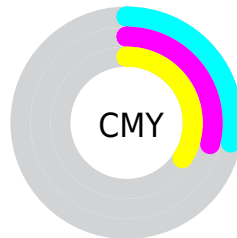
- Red (72%)
- Green (71%)
- Blue (66%)



- Red (68%)
- Yellow (72%)
- Blue (66%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (28%)



- Cyan (28%)
- Magenta (29%)
- Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 45.5744, 0.3242, 0.3436 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.5744, 0.3242, 0.3436 by changing the saturation by 10% instead.





 45.5744, 0.3242,  
0.3436


 45.5744, 0.3242,  
0.3436


 369.0949, 0.3184,  
0.3363


 31.9101, 0.3256,  
0.3454


 83.5817, 0.3221,  
0.3409


 21.2928, 0.3275,  
0.3478


 108.6935, 0.3213,  
0.3399

 13.3382, 0.3300,  
0.3510


 138.3899, 0.3207,  
0.3391

 7.6619, 0.3335,  
0.3555

 173.0553, 0.3201,  
0.3383

 3.8794, 0.3387,  
0.3623

 213.0741, 0.3196,  
0.3377

 1.6063, 0.3474,  
0.3738

 258.8307, 0.3192,

 0.3618, 0.4701,

0.3372

0.5299

310.7095, 0.3188,  
0.3367

0.0000, 0.0000,  
0.0000

45.5744, 0.3242,  
0.3436

45.5744, 0.3242,  
0.3436

43.4085, 0.3403,  
0.3635

47.8833, 0.3093,  
0.3246

41.3753, 0.3573,  
0.3837

50.3334, 0.2956,  
0.3066

39.4723, 0.3749,  
0.4037

52.9304, 0.2832,  
0.2899

37.6945, 0.3927,  
0.4228

55.6782, 0.2720,  
0.2745

36.0366, 0.4100,  
0.4398

58.2230, 0.2650,  
0.2658

■ 34.4926, 0.4260,  
0.4540

■ 60.0135, 0.2654,  
0.2703

■ 33.0560, 0.4400,  
0.4642

■ 61.8489, 0.2659,  
0.2748

■ 31.7191, 0.4514,  
0.4700

■ 63.7295, 0.2664,  
0.2792

■ 30.4706, 0.4600,  
0.4713

■ 65.6555, 0.2668,  
0.2837

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5744, 0.3288, 0.3401



45.5744, 0.3242, 0.3436



45.5744, 0.3165, 0.3431

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.5744, 0.3242, 0.3436



45.5744, 0.2967, 0.3239



45.5744, 0.3174, 0.3196

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.5744, 0.3242, 0.3436



41.3256, 0.3012, 0.3140

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.5744, 0.3087, 0.3154



45.5744, 0.3242, 0.3436



45.5744, 0.2969, 0.3177

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.5744, 0.3242, 0.3436



45.5744, 0.3007, 0.3316



45.5744, 0.3013, 0.3147



45.5744, 0.3248, 0.3263



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.5744, 0.3242, 0.3436



45.5744, 0.3108, 0.3405



45.5744, 0.3013, 0.3147



45.5744, 0.3145, 0.3179

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.5764, 0.3242, 0.3436



83.9600, 0.3157, 0.3328



41.4135, 0.3229, 0.3250



18.5539, 0.3156, 0.3326



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.5764, 0.3242, 0.3436



81.0714, 0.3266, 0.3466



46.2930, 0.3204, 0.3476



10.1749, 0.3269, 0.3470



21.1706, 0.4613, 0.4719



0.8278, 0.4486, 0.4820



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.3256, 0.3012, 0.3140



72.0277, 0.2988, 0.3108



40.6683, 0.3047, 0.3101



9.0166, 0.2984, 0.3104



3.4521, 0.1564, 0.0831



0.2118, 0.1698, 0.1312



# Previews

## White Background



This preview shows how the Yxy color 45.5744, 0.3242, 0.3436 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.5744, 0.3242, 0.3436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

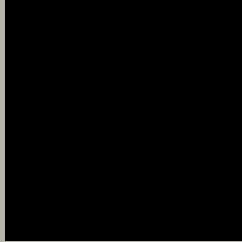
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

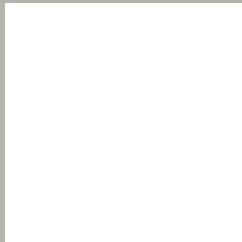
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.5744, 0.3242, 0.3436**

## Background



This preview shows how black text looks on a background with the Yxy color 45.5744, 0.3242, 0.3436.



This preview shows how white text looks on a background with the Yxy color 45.5744, 0.3242, 0.3436.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

45.5744, 0.3242, 0.3436

### Protanopia

45.5439, 0.3270, 0.3422

### Deuteranopia

45.5919, 0.3406, 0.3341



## Tritanopia

45.6450, 0.3092, 0.3111

# Trichromacy



## Original Color

45.5744, 0.3242, 0.3436

## Protanomaly

45.4191, 0.3261, 0.3422

## Deuteranomaly

45.4223, 0.3339, 0.3368

## Tritanomaly

45.5740, 0.3148, 0.3225

# Monochromacy



## Original Color

45.5744, 0.3242, 0.3436

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.6009, 0.3168, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5744, 0.3242, 0.3436 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(183, 180, 169)` looks like.

```
.text, #text, p{  
    color:rgb(183, 180, 169)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(183, 180, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 180, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5744, 0.3242, 0.3436 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 180, 169) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(183, 180, 169) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(183, 180, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 180, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 180, 169);  
box-shadow:4px 4px 4px 4px rgb(183, 180,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5744, 0.3242, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 180, 169) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(183,  
180, 169) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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